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Flight Report

Aircraft :	NASA P-3B
Operating Site(s) From / To :	BGTL / BGTL
Flight Date :	April 1, 2009
Flight Number / Data Flight # :	719
Time out:	1102 (Z)
Time in:	1846 (Z)
Flight Time :	7.7
Flt Request # / PI:	FR#9P007/013/014
Purpose of Flight :	Data [X] Ferry [] Functional Check [] Other []
Sensor Payload :	Arctic Ice Gap (Operation Ice Bridge) for Ice Sheet ICESat orbit tracks. ATM(2), Snow radar, PARIS
Comments :	<p>ICESat ground tracks for three orbit segments in eastern Greenland were surveyed (flight plan attached). The 2 ATM lidar sensors, PARIS, and the snow radar report excellent data collected. Cloud cover was a problem proximate to Thule, and at the far southern end, but the majority of the ice sheet data was collected in very clear conditions. Tentative plans are to conduct the Ice Bridge Sea Ice flight which transits to Fairbanks pending an 0630 wx brief tomorrow. The LVIS team continues to work issues with their scanner subsystem.</p> <p>A significant event occurred during this flight – for the first time the PARIS sensor collected ice sheet depth sounding data WITHOUT THE USE OF WING MOUNTED ANTENNAS. The instrument from the Johns Hopkins</p>

	University Applied Physics Lab used antennas mounted in the belly of the P3. This paves the way for much more cost effective installations, and a greater variety of aircraft platforms for ice sheet bed topography mapping for the Cryospheric community.
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SUBMITTED BY: Bill Krabill 1 April 2009

Flight	Date	Aircraft Flight #	Data Flight#	Hours flown	Total Hours Remaining
<i>Total Allocated</i>					<i>184.0</i>
ECF	3/25/09	713		0.8	183.2
PCF	3/27/09	716		3.7	179.5
Transit to Thule	3/30/09	693		7.6	171.9
Science flight	3/31/09	718	1		